

## **ΒΑΣΙΚΗ ΑΚΤΙΝΟΒΙΟΛΟΓΙΑ**

Mechanisms of Normal Tissue Injury From Irradiation.

Citrin DE, Mitchell JB.

Semin Radiat Oncol. 2017 Oct;27(4):316-324.

Cancer immunotherapy: how low-level ionizing radiation can play a key role.

Janiak MK, Wincenciak M, Cheda A, Nowosielska EM, Calabrese EJ.

Cancer Immunol Immunother. 2017 Jul;66(7):819-832.

Radiobiology of stereotactic body radiation therapy (SBRT).

Macià I Garau M.

Rep Pract Oncol Radiother. 2017 Mar-Apr;22(2):86-95.

Tumour and normal tissue radiobiology in mouse models: how close are mice to mini-humans?

Koontz BF, Verhaegen F, De Ruysscher D.

Br J Radiol. 2017 Jan;90(1069):20160441.

## **ΕΦΑΡΜΟΣΜΕΝΗ ΑΚΤΙΝΟΒΙΟΛΟΓΙΑ**

Peripheral doses in patients undergoing Cyberknife treatment for intracranial lesions. A single centre experience.

Vlachopoulou V, Antypas C, Delis H, Tzouras A, Salvaras N, Kardamakis D, Panayiotakis G.

Radiat Oncol. 2011 Nov 14;6:157.

Ionizing radiation affects epidermal growth factor receptor signalling and metalloproteinase secretion in glioma cells.

Martinou M, Giannopoulou E, Malatara G, Argyriou AA, Kalofonos HP, Kardamakis D.

Cancer Genomics Proteomics. 2011 Jan-Feb;8(1):33-8.

The history of Radiumhemmet in Stockholm in the period 1895-1950. The transformation of an outpatient clinic to an academic department.,.

Kardamakis D, Gustavson-Kadaka E, Spiliopoulou E, Nilsson S. Vesalius. 2010 Dec;16(2):95-9.

Peripheral dose measurement in high-energy photon radiotherapy with the implementation of MOSFET.

Vlachopoulou V, Malatara G, Delis H, Theodorou K, Kardamakis D, Panayiotakis G.

World J Radiol. 2010 Nov 28;2(11):434-9.

Nitric oxide and the collagenous protein biosynthesis of irradiated chick chorioallantoic membrane.

Hadjimichael C, Kardamakis D.

J BUON. 2008 Jan-Mar;13(1):87-91.

Abdominal radiation initiates apoptotic mechanism in rat femur bone marrow cells in vivo that is reversed by IGF-1 administration.

Matsouka P, Mylonas P, Papandoniou E, Dimitropoulou I, Floratou K, Alexandridis T, Kardamakis D.

J Radiat Res. 2008 Jan;49(1):41-7.

Antioxidants modify the effect of X rays on blood vessels.

Polytarchou C, Kardamakis D, Katsoris P, Papadimitriou E.

Anticancer Res. 2006 Jul-Aug;26(4B):3043-7.

Expression of HIF-1alpha and iNOS in astrocytic gliomas: a clinicopathological study.

Giannopoulou E, Ravazoula P, Kalofonos H, Makatsoris T, Kardamakis D.

In Vivo. 2006 May-Jun;20(3):421-5.

Irradiation dose-response effects on angiogenesis and involvement of nitric oxide.

Hadjimichael C, Kardamakis D, Papaioannou S.

Anticancer Res. 2005 Mar-Apr;25(2A):1059-65.

X-rays affect the expression of genes involved in angiogenesis.

Polytarchou C, Gligoris T, Kardamakis D, Kotsaki E, Papadimitriou E.

Anticancer Res. 2004 Sep-Oct;24(5A):2941-5.

Irradiated C6 glioma cells induce angiogenesis in vivo and activate endothelial cells in vitro.

Parthymou A, Kardamakis D, Pavlopoulos I, Papadimitriou E.

Int J Cancer. 2004 Jul 20;110(6):807-14.

Effects of paclitaxel in combination with ionizing radiation on angiogenesis in the chick embryo chorioallantoic membrane. A radiobiological study.

Kardamakis D, Hadjimichael C, Ginopoulos P, Papaioannou S.

Strahlenther Onkol. 2004 Mar;180(3):152-6.

Amifostine inhibits angiogenesis in vivo.

Giannopoulou E, Katsoris P, Kardamakis D, Papadimitriou E.

J Pharmacol Exp Ther. 2003 Feb;304(2):729-37.

Amifostine protects blood vessels from the effects of ionizing radiation.

Giannopoulou E, Katsoris P, Parthymou A, Kardamakis D, Papadimitriou E.

Anticancer Res. 2002 Sep-Oct;22(5):2821-6.

X-rays modulate extracellular matrix in vivo.

Giannopoulou E, Katsoris P, Hatziapostolou M, Kardamakis D, Kotsaki E, Polytarchou C, Parthymou A, Papaioannou S, Papadimitriou E.

Int J Cancer. 2001 Dec 1;94(5):690-8.

Effects of growth hormone and insulin-like growth factor-I on radiation enteritis. a comparative study.

Alexandrides T, Spiliotis J, Mylonas P, Melachrinou M, Kardamakis D, Spiliopoulou I, Panagopoulos C, Kalfarentzos F.

Eur Surg Res. 1998;30(5):305-11. No abstract available.

In vivo experimental evidence that the nitric oxide pathway is involved in the X-ray-induced antiangiogenicity.

Hatjikondi O, Ravazoula P, Kardamakis D, Dimopoulos J, Papaioannou S.

Br J Cancer. 1996 Dec;74(12):1916-23.

A novel radiological approach for the experimental study of angiogenesis: angiography of the chick embryo and its chorioallantoic membrane.

Siamblis D, Karnabatidis D, Hatjikondi O, Kalogeropoulou C, Kardamakis D, Dimopoulos J.

Eur J Radiol. 1996 Feb;21(3):220-4.

## **ΙΟΝΤΙΖΟΥΣΑ ΑΚΤΙΝΟΒΟΛΙΑ ΚΑΙ ΚΑΡΚΙΝΟΓΕΝΕΣΗ**

Chornobyl catastrophe: cytogenetic effects of low dose ionizing radiation and their modification.

Domina EA.

Exp Oncol. 2016 Dec;38(4):219-223. Review.

The role of dose rate in radiation cancer risk: evaluating the effect of dose rate at the molecular, cellular and tissue levels using key events in critical pathways following exposure to low LET radiation.

Brooks AL, Hoel DG, Preston RJ.

Int J Radiat Biol. 2016 Aug;92(8):405-26.

Biological measures to minimize the risk of radiotherapy-associated second cancer: A research perspective.

Imaoka T, Ishii N, Kawaguchi I, Homma-Takeda S, Doi K, Daino K, Nakanishi I, Tagami K, Kokubo T, Morioka T, Hosoki A, Takabatake M, Yoshinaga S.

Int J Radiat Biol. 2016 Jun;92(6):289-301.

Changing Attitude Toward Radiation Carcinogenesis and Prospects for Novel Low-Dose Radiation Treatments.

Socol Y, Welsh JS.

Technol Cancer Res Treat. 2016 Dec;15(6):732-736.

Non-targeted radiation effects *in vivo*: a critical glance of the future in radiobiology.

Hatzi VI, Laskaratos DA, Mavragani IV, Nikitaki Z, Mangelis A, Panayiotidis MI, Pantelias GE, Terzoudi GI, Georgakilas AG.

Cancer Lett. 2015 Jan 1;356(1):34-42.

Medical radiation exposure and human carcinogenesis-genetic and epigenetic mechanisms.

Dincer Y, Sezgin Z.

Biomed Environ Sci. 2014 Sep;27(9):718-28